

Typical Product Specifications & Properties

Magnesium Oxide Reactive Technical Grade KPLL

CAS Number: : 1309-48-4

Specifications	Limits
Density	3.65-3.75
Very Soluble	in water
Surface area (BET)	KPLL-8 - 7.0 - 15.0 m ² /g
Surface area (BET)	KPLL-20 - 15.0 - 30.0 m ² /g
Loss on ignition (900 C)	KPLL-5 - 2% max
Loss on ignition (900 C)	KPLL-20 - 3% max
Loss on ignition (900 C)	KPLL-40 - 4% max
Loss on ignition (900 C)	KPLL-60 - 5% max
Particle size: Passes 200 mesh (wet sieve)	95% min
Calcium as CaO	1.0% max
Chloride as Cl	0.7% max
Surface area (BET)	KPLL-40 - 30.0 - 50.0 m ² /g



Specifications	Limits
Surface area (BET)	KPLL-60 - 50.0 - 70.0 m ² /g
Loss on ignition (900 C)	KPLL-8 - 2% max
Magnesium Oxide as MgO (by difference)	97.0% min
Silicon as SiO ₂	0.1% max
Iron as Fe ₂ O ₃	0.025% max
Sulphate as SO ₄	0.5% max
Surface area (BET)	KPLL-5 - 3.0 - 7.0 m ² /g
Melting Point	2800 c
Insolubility	in alcohol
Odor	wh. powd. or cryst., odorless
Molecular weight	40.31
Solubility	dil. acids, ammonium salt solns.



Specifications	Limits
Boiling Point	3600 c